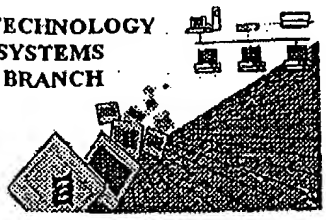
BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/786,635B
Source: IFW16
Date Processed by STIC: 9/20/04

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
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Revised 05/17/04

OIPE JC87 JAN 03 2005 PATENT & TRADEMARK OFFICE

IFW16

RAW SEQUENCE LISTING DATE: 09/20/2004
PATENT APPLICATION: US/09/786,635B TIME: 16:18:10

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Output Set: N:\CRF4\09202004\I786635B.raw

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7 diseases
9 <130> FILE REFERENCE: ATP binding cassette genes and protein
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C--> 12 <141> CURRENT FILING DATE: 2001-05-22
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M 5-6

Does Not Comply
Corrected Diskette Needed

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09/786,635B 6

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cccacacccg cccctgtgct ctgctgtctg gaggccacgt ggaccttcat gagatgcatt 1020
ctcttctgtc tttggtggan gggatggtgc aaagcccagg atctggcttt gccagaggtt 1080
gcaacatgtt gagagaaccc ggtcaataaa gtgtactacc tcttaccccc 1130

see p. 7 for error explanation (n's need explanation in <2207-<2237 section)

FYI The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

7

VARIABLE LOCATION SUMMARY DATE: 09/20/2004
PATENT APPLICATION: US/09/786,635B TIME: 16:18:11

Input Set : A:\LEA33298 - seq list 8-2004.txt
Output Set: N:\CRF4\09202004\I786635B.raw

Error Explanation

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:3; N Pos. 8,109,360,586,636,637,638,1040
Seq#:4; N Pos. 944,950,957,970,1001,1002,1003,1007
Seq#:13; N Pos. 4208,4210,4211,4212,4227,4228,4229,4231,4253,4677,4691,4707
Seq#:13; N Pos. 4721,4752,4754,4772,4773
Seq#:20; N Pos. 5,2909
Seq#:25; N Pos. 1963
Seq#:31; N Pos. 856,1009,1128,1314,1326,1328,1343,1345,1346,1378,1415,2477
Seq#:31; N Pos. 2540
Seq#:54; N Pos. 856,1009,1128,1314,1326,1328,1343,1345,1346,1378,1415,2477
Seq#:54; N Pos. 2540

VERIFICATION SUMMARY DATE: 09/20/2004
PATENT APPLICATION: US/09/786,635B TIME: 16:18:11

Input Set : A:\LEA33298 - seq list 8-2004.txt
Output Set: N:\CRF4\09202004\I786635B.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:579 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:3
L:579 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:3
L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:623 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:4
L:623 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:4
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:900
M:341 Repeated in SeqNo=4
L:1205 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:13
L:1205 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:13
L:1205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:4200
M:341 Repeated in SeqNo=13
L:1577 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:20
L:1577 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:20
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
M:341 Repeated in SeqNo=20
L:1720 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:25
L:1720 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:25
L:1720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:1920
L:1986 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:31
L:1986 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:31
L:1986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:840
M:341 Repeated in SeqNo=31
L:2289 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:54
L:2289 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:54
L:2289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:840
M:341 Repeated in SeqNo=54